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## Description of *Hirmoneura kunchuy* sp.n. from East Turkey (Nemestrinidae, Diptera)

Ahmet Ömer Koçak Muhabbet Kemal

**Abstract:** Description of *Hirmoneura kunchuy* sp.n. from East Turkey (Nemestrinidae, Diptera). *Cent. Ent. Stud., Misc. Pap.* 158: 1-3, 6 figs.

In this paper, a new species *Hirmoneura kunchuy* (Nemestrinidae, Diptera) is described and illustrated from East Turkey.

**Key words:** *Hirmoneura kunchuy*, Nemestrinidae, Diptera, taxonomy, description, Turkey.



**Fig. 1** - *Hirmoneura kunchuy* sp.n. Turkey, Van Prov., Kurubaş 2160m 17 7 2011, photo M.Kemal (Cesa©)

During our field studies in East Turkey within the Cesa project “Entomofauna of Turkey [ET]”<sup>1</sup>, Dr. Muhabbet Kemal discovered a fly of *Nemestrinidae*, inhabited in the mountainous steppe at 2160m of Van Province (Fig.1). The adult is active by hot and sunny days, flies very strong, therefore hardly visible, and visits often yellow plants. Its large size and colouration are remarkable. It is easily distinguishable from *Hirmoneura obscura* (occurs in West Turkey), and *Hirmoneura brandti* (Iran, Fars) by the wing venations (Fig. 2) and larger body and wing size. This species is named as “kunchuy”, Princess in old Uighurian language.



**Fig.2.-** Wing venation of *Hirmonneura kunchuy* sp.n. (Cesa©)

## *Nemestrinidae*

### *Hirmonneura* Wiedemann, 1820

This genus is represented in Turkey, S.E. Europe and in Balkan countries by *H. obscura* Wiedemann, 1820. The second species of the genus in Turkey is described below:

#### *Hirmonneura kunchuy* sp.n. (Figs.1-6)

**Brief description:** Body stout, large. Size (from head to abdomen tip) 15-16mm (holotype 16mm). Head large. Eyes large, naked, metallic bronze when alive. Ocellus blackish. Frons with pale yellowish velvety hairs. Antennae yellowish, very short. Mouth parts reduced, yellowish. Thorax cylindrical, stout. Legs yellowish-brown. Wings greyish, somewhat semi-transparent; costal part yellowish-brownish. Venation complete and similar to that of *H. brandtii*. Between R2 and R4 exists a transversal vein. M3+4 reach to margin with different angle (cf. *obscura* ex Bernardi, 1973). Wing size: Forewing (base to apex): 14.5-17 mm; holotype (17 mm). Wing span: 34-38 mm (holotype 38 mm). Abdomen dorso-ventral flattened; from dorsal side almost triangular, broader anteriorly, strongly tapered towards apex. Dirty yellowish – dark brown hairs velvety in appearance. Reddish brown patches more or less developed at sides. Median part of underside yellowish, almost naked. Body size (from head to abdomen tip), ca. 15-16 mm. Genitalia and terminal segments of abdomen shown in Figs.3-6.

This new species is closer to *H. brandtii* in Fars Province (Iran), but differs from it by remarkably larger size, body colouration and markings.

**Material examined:** *Hirmonneura kunchuy* sp.n.- Holotype ♂ and 13 ♂paratypes: Turkey, Van Prov., Kurubaş 2160m, mountain steppe, 17-18. vii. 2011 leg. M.Kemal & A.Ö.Koçak (all types in coll. Cesa). - *Hirmonneura brandtii* Bequaert - ♀ (Holotype). Iran, Fars, Strasse Chiraz- Kazeroun, Fort Sine-Sefid ca 2200m 13 vi 1937, coll. Brandt (MZC TYPE 35592).

<sup>1</sup> <http://www.cesa-tr.org/Entomofauna.htm>

## Acknowledgement:

I thank to Dr. P.D.Perkins, Harvard University (U.S.A.) for his help in obtaining the images of the Holotype of *Hirmoneura brandti* Bequaert, and to Dr. P.Beuk for supplying Bequaert's publication.

## References:

- Bequaert, J.**, 1938, Sur quelques némestrinides paléarctiques particulièrement de l'Iran. Bull. Ann. Soc. Ent. Belg. 78: 292-310, figs.  
**Bernardi, N.**, 1973, The genera of the family Nemestrinidae (Diptera, Brachycera). Agr. Zool. S.Paulo 24 (4): 211-318, figs.



**Figs. 3-6** – *Hirmoneura kunchuy* sp.n. Genitalia and abdominal segments. **3** (top left). Dorsal side of abdomen and genitalia. **4** (top right). Genitalia, ventral aspect. **5** (bottom left). Genitalia, dorsal aspect. **6** (bottom right). Genitalia, ventral aspect (Cesa©)



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# A generic nomenclatural correction among micro-caddisflies in the Orientalic region. (*Hydroptilidae*, *Trichoptera*)

Ahmet Ömer Koçak   Muhabbet Kemal

**Abstract:** A generic nomenclatural correction among micro-caddisflies in the Orientalic Region. *Cent. Ent. Stud., Misc. Pap.* 158: 4-5.

In this paper, a replacement name, *Orientalitrichia* nom. n. is proposed in the family *Hydroptilidae* (*Trichoptera*). Numerous new name combinations are also mentioned.

**Key words:** *Orientalitrichia*, *Hydroptilidae*, *Trichoptera*, nomenclature, homonymy, new name, Orientalic, Australic Regions.

During our studies on the Entomofauna of the Old World, we found a genus name in the family *Hydroptilidae* Stephens, 1836, *Scelotrichia* Ulmer, 1951. According to the current articles on the homonymy of the ICZN, junior homonyms cannot be used validly. *Scelotrichia* Ulmer, 1951 (Arch. Hydrobiol., Suppl. 19: 73) is junior homonym of *Scelotrichia* Reuter, 1890 (Revue ent. Franç. 9: 291) [*Hemiptera*]. This case is unfortunately overlooked in serious related publications so far. In the publications<sup>2</sup>, the authors considered *Scelotrichia* Ulmer, 1951 as valid generic name erroneously. We propose, therefore, a replacement name, *Orientalitrichia* **nom. n.**<sup>3</sup> for *Scelotrichia* Ulmer, 1951 (nec Reuter, 1890), with the following new name combinations:

*Orientalitrichia alata* (Wells & Mey, 2002) **comb. n.**, *Orientalitrichia asgiriskanda* (Schmid, 1958) **comb. n.**, *Orientalitrichia bercabanghalus* (Wells & Malicky, 1997) **comb. n.**, *Orientalitrichia bilah* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia bispinosa* (Wells & Mey, 2002) **comb. n.**, *Orientalitrichia buluhalus* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia cavernosa* (Mey, 1996) **comb. n.**, *Orientalitrichia cayasana* (Wells & Mey, 2002) **comb. n.**, *Orientalitrichia ceesi* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia dasar* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia digitata* (Wells & Mey, 2002) **comb. n.**, *Orientalitrichia dolichocera* (Mey, 1998) **comb. n.**, *Orientalitrichia gerigi* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia glandulosa* (Wells & Andersen, 1995) **comb. n.**, *Orientalitrichia insularis* (Mey, 1995) **comb. n.**, *Orientalitrichia ishiharai* (Utsunomiya, 1994) **comb. n.**, *Orientalitrichia jari* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia kait* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia kakatu* (Wells, 1990) **comb. n.**, *Orientalitrichia kenyella* (Mey, 1992) **comb. n.**, *Orientalitrichia kipas* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia laitimtik* (Wells, 1990) **comb. n.**, *Orientalitrichia lampai* (Wells & Huisman, 1993) (= *hexalocha* Mey, 1998) **comb. n.**, *Orientalitrichia levis* (Wells & Dudgeon, 1990) **comb. n.**, *Orientalitrichia licini* (Wells, 1990) **comb. n.**, *Orientalitrichia marshalli* (Statzner, 1997) **comb. n.**, *Orientalitrichia melanella* (Mey, 1998) **comb. n.**, *Orientalitrichia melanoptera* (Mey, 1998) **comb. n.**, *Orientalitrichia milinda* (Schmid, 1960) **comb. n.**, *Orientalitrichia mindanaoensis* (Wells & Mey, 2002) **comb. n.**, *Orientalitrichia miselia* (Mey, 1998) **comb. n.**, *Orientalitrichia nana* (Mey, 1996) **comb. n.**, *Orientalitrichia nepalensis* (Kimmins, 1964) **comb. n.**, *Orientalitrichia paku* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia pukat* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia rienki* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia rincorama* (Olah, 1989) **comb. n.**, *Orientalitrichia rumbut* (Wells & Huisman, 1993) **comb. n.**, *Orientalitrichia saranganica* (Ulmer, 1951) **comb. n.**, *Orientalitrichia schmidi* (Mey, 1981) **comb. n.**, *Orientalitrichia simplex* (Wells & Malicky, 1997) **comb. n.**, *Orientalitrichia supsup* (Wells, 1990) **comb. n.**, *Orientalitrichia thingana* (Olah, 1989) **comb. n.**, *Orientalitrichia thunama* (Olah, 1989) **comb. n.**,

<sup>2</sup> Ulmer, 1951; Schmid, 1958; Schmid, 1960; Jacquemart, 1962; Kimmins, 1964; Olah, 1989; Wells & Dudgeon, 1990; Wells, 1990; Wells & Huisman, 1993; Utsunomiya, 1994; Mey, 1995; Mey, 1996; Wells & Malicky, 1997; Statzner, 1997; Mey, 1998; Wells & Mey, 2002; Cairns & Wells, 2008

<sup>3</sup> Most of the species in this genus occur in the Orientalic Region.

*Orientalitrichia toira* (Olah,1989) **comb. n.**, *Orientalitrichia trifurcata* (Jacquemart,1962) **comb. n.**, *Orientalitrichia warabai* (Wells,1990) **comb. n.**, *Orientalitrichia willcairnsi* (Cairns & Wells,2008) **comb. n.**

## References:

- ICZN – International Commission on Zoological Nomenclature, 1999, International Code of Zoological Nomenclature, 4th ed. London, International Trust for Zoological Nomenclature. xxix + 306 pp.  
Ulmer, G., 1951. Köcherfliegen (Trichopteren) von Sunda-Inseln (Teil 1). Arch. Hydrobiol. Suppl. 19: 1-528.

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# On the nomenclature of some generic names in the family *Flatidae* (*Homoptera*)

Ahmet Ömer Koçak   Muhabbet Kemal

**Abstract:** On the nomenclature of some generic names in the family *Flatidae* (*Homoptera*). *Cent. Ent. Stud., Misc. Pap.* 158: 5-6.

In this paper, a replacement name, *Paulana* **nom. n.** is proposed in the family *Flatidae* (*Homoptera*). New name combination is *Paulana insignis* (Lallemand, 1950) **comb. n.** Separately, the case of *Mistaria* Medler, 1988 is discussed.

**Key words:** *Pauliana*, *Paulana*, *Flatidae*, *Homoptera*, nomenclature, homonymy, new name.

During our investigations on the Homoptera within the frame of the Cesa Project on “Entomofauna of the Oldworld”, we noticed the Lallemand’s generic name from Madagascar, “*Pauliana*”<sup>4</sup> (*Flatidae* Spinola, 1839) is junior homonym of the name *Pauliana* Fagot, 1891 (Bull. Soc. Ramond 26 (3): 218) [*Mollusca*]; therefore, it cannot be used as a valid name<sup>5</sup>, according to the related articles on homonymy of the ICZN. For that reason, we propose here a replacement name, *Paulana* **nom. n.** for *Pauliana* Lallemand, 1950 (nec Fagot). New name combination is given below:

*Paulana insignis* (Lallemand, 1950) **comb. n.**

Separately, Medler established a genus, “*Mistaria*” in 1988 from Ivory Coast (West Africa). This genus name is currently used<sup>6</sup>. According to our investigations within the Project of the Cesa, we found that *Mistaria* Medler, 1988 (Revue Franç. Ent. (N.S.) 10 (2): 139) is apparently junior homonym of *Mistaria* Lehtinen, 1967 (Annls zool. fenn. 4: 249) [*Arachnida*]; therefore, it cannot be used as valid name. The author, Prof. Dr. J. T. Medler (1914-2006) had a great contribution to the World Flatidae taxonomy<sup>7</sup>. However, we are of the opinion that the validity of the genus name *Mistaria* Medler is uncertain, as apparently no species included to it.

<sup>4</sup> Described in 1950, Mém. Inst. sci. Madagascar (A) 4: 93.

<sup>5</sup> For example, see to the most comprehensive database on the family Flatidae (FLOW): <http://hemiptera-databases.org/flow/?page=explorer&db=flow&lang=en&card=taxon&rank=genus&id=6191>

<sup>6</sup> <http://hemiptera-databases.org/flow/?page=explorer&db=flow&lang=fr&card=taxon&rank=genus&id=6151>

<sup>7</sup> <http://ag.udel.edu/delpha/6020.pdf>

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- ICZN – International Commission on Zoological Nomenclature, 1999, International Code of Zoological Nomenclature, 4th ed. London, International Trust for Zoological Nomenclature. xxix + 306 pp.
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- Medler J. T. 1988. Flatidae from the Tai Forest, Cote d'Ivoire, and taxonomic notes on the family in west Africa (Homoptera, Auchenorrhyncha, Fulgoroidea). *Revue Franç. Ent.* 10 (2): 117-148.

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